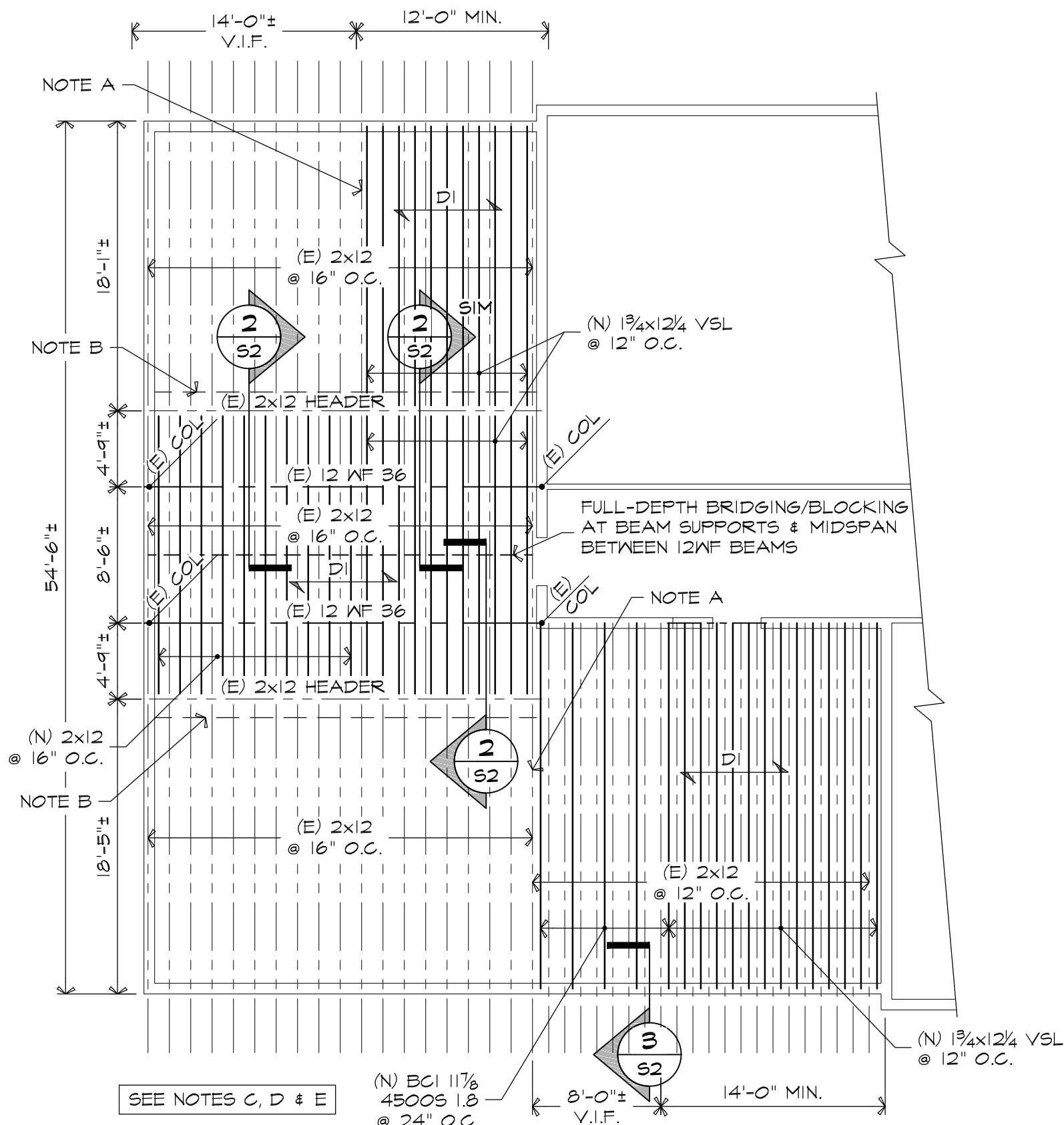
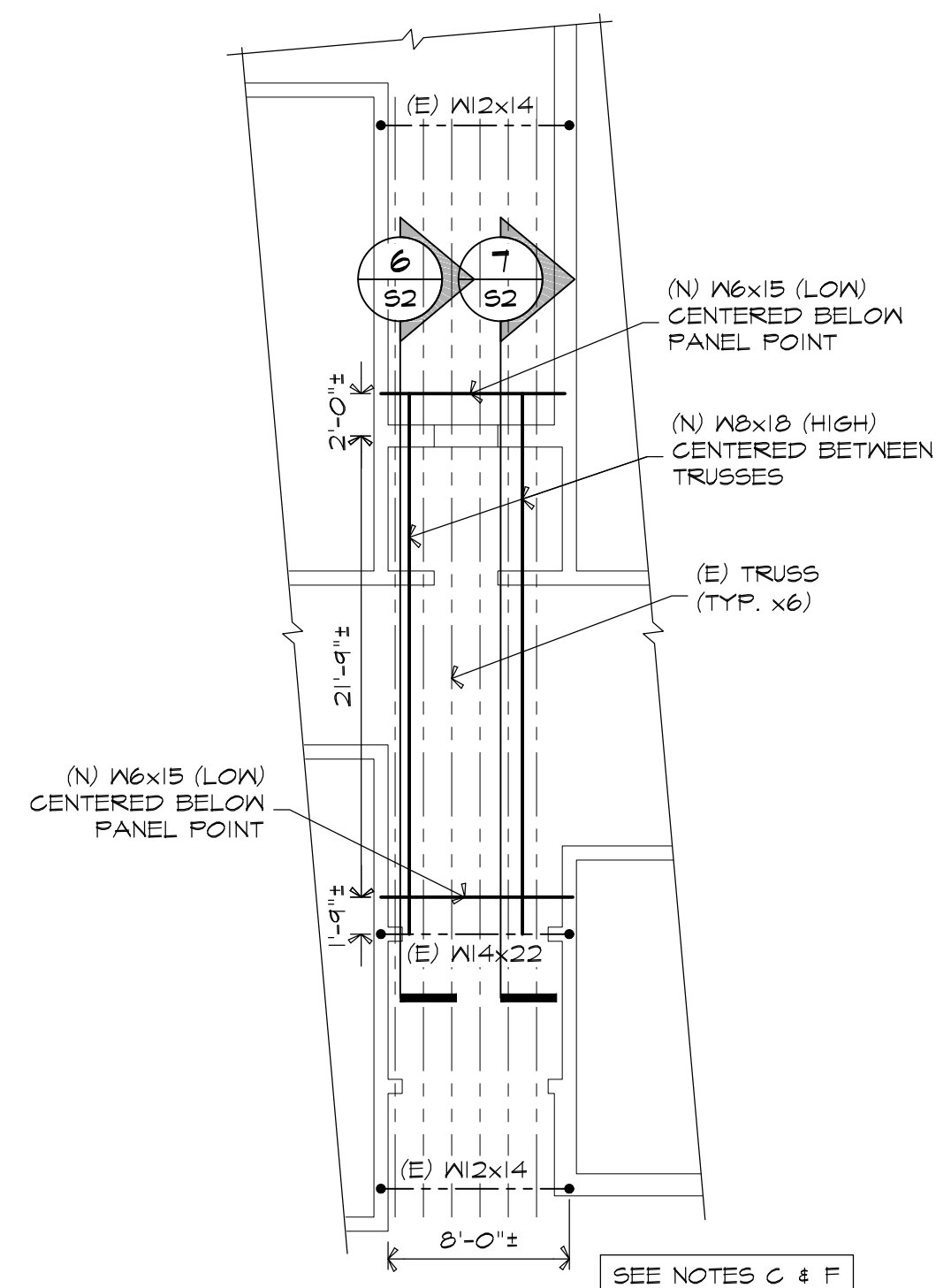


**A PART PLAN**  
1/8" = 1'-0"



**B PART PLAN**  
1/8" = 1'-0"



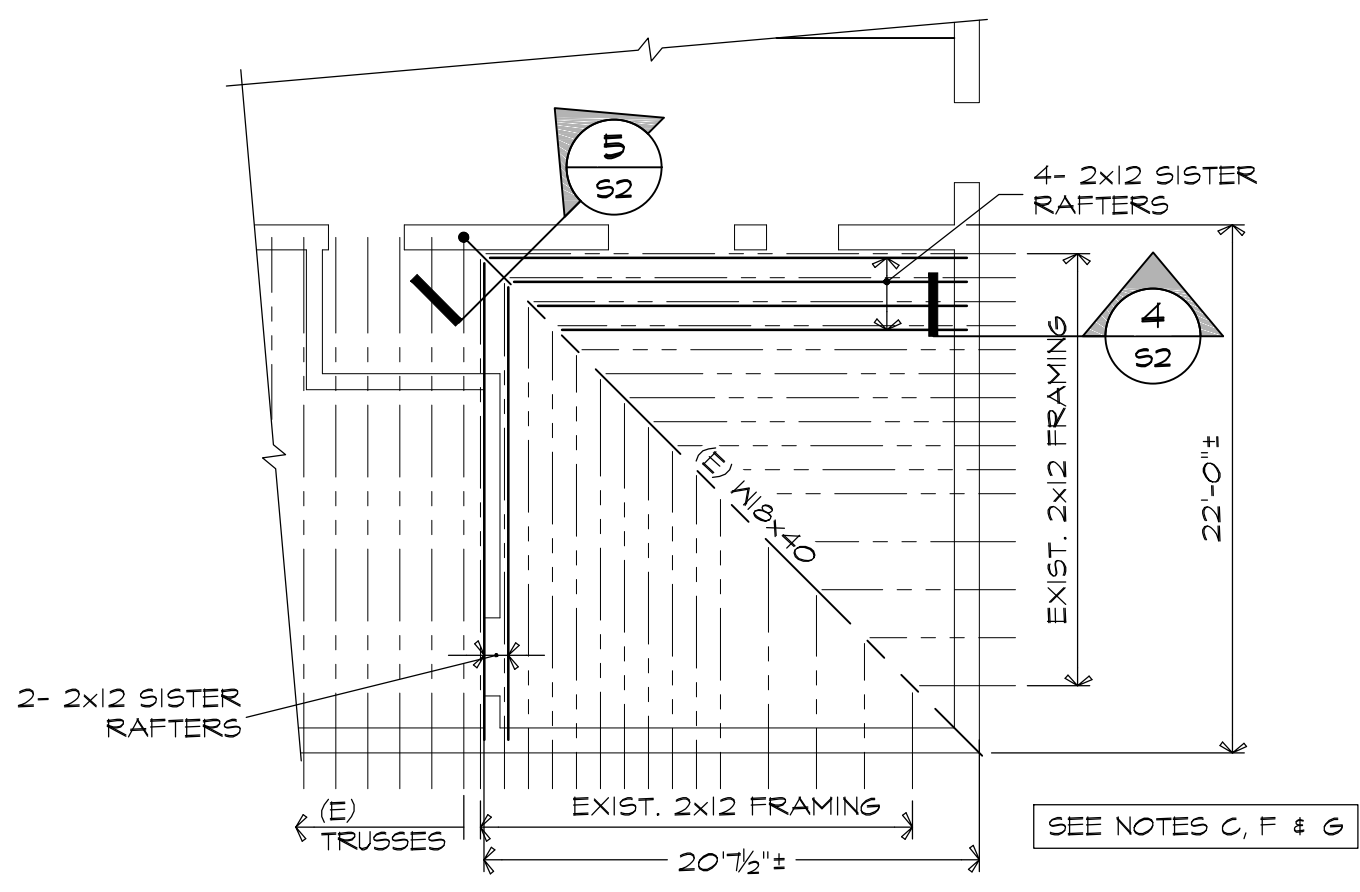
**C PART PLAN**  
1/8" = 1'-0"

**LEGEND**

(E) DENOTES EXISTING

(N) DENOTES NEW

DENOTES NEW APA RATED SHEATHING. FASTEN TO NEW & EXIST. RAFTERS W/ 10d NAILS. 6" O.C. AT ALL SUPPORTED EDGES & 12" O.C. IN THE FIELD. SEE WOOD FRAMING NOTE #7



**D PART PLAN**  
1/8" = 1'-0"

#### GENERAL ROOF REINFORCEMENT NOTES:

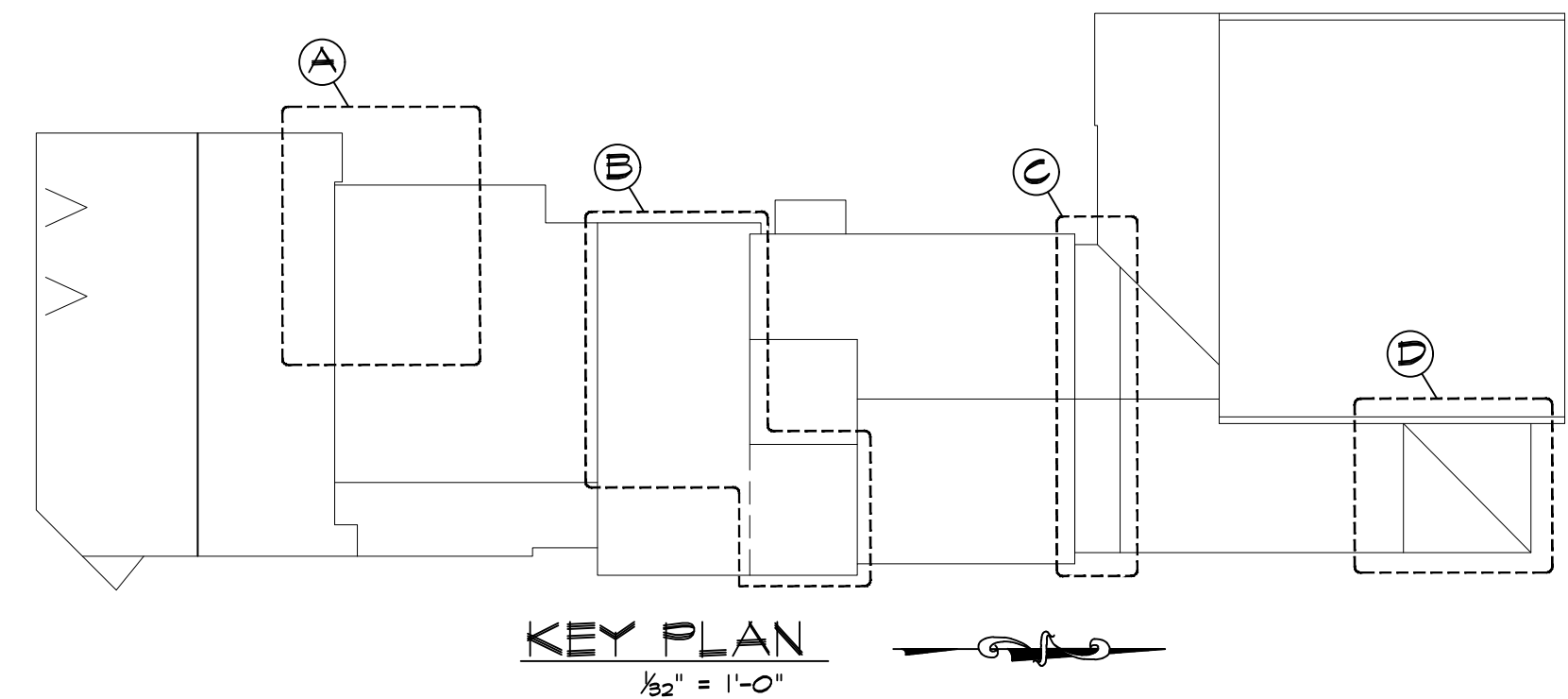
- STRUCTURAL REINFORCEMENTS ARE SPECIFIED FOR VARIOUS AREAS OF THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING EXISTING CONDITIONS INASMUCH AS POSSIBLE AT AREAS TO BE REINFORCED BEFORE SUBMITTING THE BID. BID SUBMISSIONS SHALL INCLUDE ALL TEMPORARY REMOVALS AND RELOCATIONS OF ITEMS AS MAY BE REQUIRED TO INSTALL REINFORCEMENTS AS SPECIFIED. WHERE UNFORSEEN INTERFERENCES ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND ALLOW 3 WORKING DAYS FOR DIRECTION. NO ADDITIONAL COST OR TIME FOR THE CONSTRUCTION WILL BE APPROVED WHERE AN INTERFERENCE IS ENCOUNTERED IN AN AREA THAT WAS ACCESSIBLE AT THE TIME OF BIDDING.
- AT SOME AREAS, THE REMOVAL OF EXISTING ROOF DECK IS REQUIRED TO INSTALL ROOF REINFORCEMENTS SPECIFIED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE BUILDING SECURE AND PROTECTED FROM THE WEATHER AT SUCH AREAS DURING CONSTRUCTION. LIMIT THE EXTENT OF REMOVALS EACH DAY SUCH THAT THE BUILDING REMAINS SECURE AND PROTECTED FROM WEATHER THROUGHOUT THE CONSTRUCTION SCHEDULE.
- WHERE EXISTING CEILINGS, LIGHTING, PLUMBING, DUCTS, AND OTHER ITEMS AT CEILING LEVEL OR HIGHER ARE NOT SPECIFIED FOR REMOVAL, THOSE ITEMS ARE INTENDED TO REMAIN IN PLACE DURING CONSTRUCTION. PROTECT THOSE ITEMS SUCH THAT THEY ARE FULLY FUNCTIONAL WITH NO DAMAGE AFTER CONSTRUCTION IS COMPLETE. ITEMS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AT NO COST TO THE OWNER.
- VERIFY ALL DIMENSIONS TO EXISTING CONDITIONS WITH FIELD MEASUREMENTS.
- WHERE INSTALLATION OF A STRUCTURAL COMPONENT IS OBSTRUCTED BY ARCHITECTURAL, MECHANICAL, OR ELECTRICAL COMPONENTS, REMOVE THE OBSTRUCTIONS AS REQUIRED TO PROPERLY INSTALL STRUCTURAL COMPONENTS. PROTECT SUCH REMOVALS AND REINSTALL AFTER STRUCTURAL WORK IS INSPECTED. DAMAGED MECHANICAL, ELECTRICAL, OR ARCHITECTURAL COMPONENTS SHALL BE REPLACED IN KIND AT NO COST TO THE OWNER.
- WHERE NEW FRAMING MEMBERS ARE SPECIFIED TO BE INSTALLED BETWEEN EXISTING MEMBERS, IT WILL BE NECESSARY TO REMOVE AND REINSTALL BRIDGING. SOLID, FULL DEPTH BRIDGING OR DIAGONAL BRIDGING IS ACCEPTABLE. INSTALL TO ENGAGE NEW AND EXISTING FRAMING.

#### DESIGN NOTES

- REINFORCEMENTS TO THE STRUCTURE ARE DESIGNED TO COMPLY WITH THE 2009 EDITION OF "THE INTERNATIONAL BUILDING CODE" AND THE 2005 EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ASCET-05.
- ROOF FRAMING IS DESIGNED FOR LOADS AS FOLLOWS:
  - GROUND SNOW LOAD  $P_g = 60$  PSF.
  - FLAT ROOF SNOW LOAD
    - ROOF OVERHANGS  $P_f = 64.7$  PSF.
    - ALL OTHER AREAS  $P_f = 42$  PSF.
  - SNOW EXPOSURE FACTOR  $C_e = 1.0$ .
  - SNOW IMPORTANCE FACTOR  $I = 1.0$ .
  - THERMAL FACTOR
    - ROOF OVERHANGS  $C_t = 1.2$ .
    - ALL OTHER AREAS  $C_t = 1.0$ .
  - DRIFTED SNOW LOADS IN ACCORDANCE WITH ASCET-05.
- DESIGN FOR WIND IS IN ACCORDANCE WITH LOADING AS FOLLOWS:
  - BASIC WIND SPEED  $V = 45$  MPH.
  - WIND IMPORTANCE FACTOR  $I = 1.0$ .
  - WIND EXPOSURE - EXPOSURE B.
  - INTERNAL PRESSURE COEFFICIENT  $GCP_i = 0.18$ .

#### PLAN NOTES

- SPLICE NEW DECK & EXISTING DECK ON EXISTING RAFTER. NAIL NEW & EXISTING DECK W/ 10d NAILS @ 6" O.C., STAGGERED.
- LIMIT OF NEW DECK TO ALLOW ACCESS & FASTENING OF SIMPSON CLIPS. SEE 2/52.
- RE-ESTABLISH ALL BLOCKING & BRIDGING REMOVED OR DAMAGED BY STRUCTURAL REINFORCING.
- REMOVE & REPLACE SUFFICIENT AREA OF ROOF DECK TO ALLOW INSTALLATION OF STRUCTURAL REINFORCING, INCLUDING NEW JOISTS, CLIPS, ETC.
- PROTECT ALL CEILINGS, FINISHES, WALLS, HVAC, ELECTRICAL, DATA & TELECOM, LIGHTS, ETC. FROM DAMAGE. AFTER REINFORCING AND ROOFING WORK IS COMPLETE, RESTORE ALL CONDITIONS TO PRE-CONSTRUCTION CONDITION OR BETTER.
- REMOVE PARTIAL AREAS OF CEILINGS AND LIGHTS, AND CONFLICTING HVAC, ELECTRICAL, DATA & TELECOM TO ALLOW INSTALLATION OF NEW REINFORCING. COORDINATE TEMPORARY SHUTDOWN OF SERVICES (IF REQUIRED) WITH SCHOOL. REQUEST SHUTDOWN A MINIMUM OF 7 DAYS PRIOR TO DESIRED DATE. AFTER REINFORCING WORK IS COMPLETE RE-INSTALL OR REPLACE ALL EFFECTED ITEMS TO PRE-CONSTRUCTION CONDITION OR BETTER.
- AT CONTRACTOR'S OPTION, ROOF DECK MAY BE REMOVED AND REPLACED IN LIEU OF CEILINGS TO ALLOW STRUCTURAL REINFORCING. FOR THIS OPTION SEE NOTES ON FOR ROOF DECK, AND PROTECTION AND RESTORATION OF BUILDING COMPONENTS.



#### WOOD FRAMING NOTES:

- DIMENSIONED LUMBER SPECIFIED SHALL BE #2 OR BETTER, SPRUCE-PINE-FIR GRADED UNDER NLGA RULES.
- LAMINATED VENEER LUMBER (LVL) SHALL BE VERSA-LAM 2.0 3100 FROM BOISE CASCADE OR EQUAL PRODUCT WITH THE SAME OR HIGHER DESIGN PROPERTIES.
- JOISTS ARE SPECIFIED AS BCI 4500S 1.8 FROM BOISE CASCADE.
- ALL SUBSTITUTION REQUESTS SHALL BE APPROVED BEFORE INSTALLING.
- WHERE FASTENING IS NOT SPECIFIED, PROVIDE FASTENING IN ACCORDANCE WITH TABLE 2304.4.1 FROM THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
- PROPRIETARY FRAMING CONNECTORS SHALL BE PRODUCTS FROM SIMPSON STRONG-TIE UNLESS OTHERWISE INDICATED. INSTALL WITH ALL FASTENERS RECOMMENDED BY THE MANUFACTURER UNLESS OTHERWISE NOTED. WHERE MORE THAN ONE FASTENING RECOMMENDATION EXISTS, INSTALL THE FASTENERS SPECIFIED FOR THE HIGHEST CAPACITY.
- WHERE ROOF DECK IS TO BE REMOVED FOR ACCESS TO INSTALL NEW FRAMING, COVER FRAMING WITH APA RATED SHEATHING. PROVIDE THICKNESS TO MATCH EXISTING, ADJACENT ROOF DECK. FOR BIDDING PURPOSES, ASSUME 1" THICK APA RATED SHEATHING. PROVIDE EXPOSURE 1 PANELS WITH A MINIMUM SPAN RATING OF 40/20. LAY PANELS WITH THE LONG DIMENSION ACROSS SUPPORTS. FASTEN TO SUPPORTS WITH 12d NAILS. SPACE NAILS AT 6" ON CENTER AT SUPPORTED PANEL EDGES AND AT 12" ON CENTER AT INTERMEDIATE SUPPORTS UNLESS OTHERWISE INDICATED. FASTEN NEW SHEATHING TO NEW AND EXISTING FRAMING.
- LAS SCREWS SHALL COMPLY WITH ANSI/ASME STANDARD B18.2.1. WITH STEEL COMPLYING WITHSAE J429, GRADE 1 (MINIMUM YIELD STRENGTH = 36 KSI).
- BOLTS SHALL COMPLY WITH ASTM A307, WITH THREADS IN COMPLIANCE WITH ANSI/ASME B18.2.1.

#### STEEL NOTES

- ALL STEEL WORK SHALL COMPLY WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", 2010 EDITION (AISC 360-10).
- ALL WELDS SHALL BE DONE WITH E70 ELECTRODES IN COMPLIANCE WITH THE AMERICAN WELDING SOCIETY "STRUCTURAL WELDING CODE" (AWS D1.1), LATEST EDITION. WELDS SHALL BE PERFORMED BY A WELDER CERTIFIED BY AWS FOR THE POSITIONS AND PROCESSES UTILIZED.
- WIDE FLANGE SHAPES SHALL BE ASTM A992. STEEL CHANNELS, PLATES, AND ANGLES SHALL BE ASTM A36.
- BOLTS FOR CONNECTING STEEL MEMBERS SHALL BE ASTM A325, 3/4" DIAMETER. FIELD TIGHTEN TO SNUG-TIGHT CONDITION PER THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" BY THE RESEARCH COUNCIL OF STRUCTURAL CONNECTIONS, 2009 EDITION.
- CLEAN NEW STEEL TO SSPC SP3, POWER TOOL CLEANING, IN SHOP. APPLY SHOP PRIMER, TMEC 10-99 FROM THE RIGHTER GROUP OR EQUAL TO A MINIMUM DRY FILM THICKNESS OF 2.0 MILS.

DRAWN BY FAN	CHECKED BY MAC	ISSUE DATE 7-18-16	PROJ. NO. 20160351	PART PLANS & NOTES	REVISION
					ISSUED FOR CONSTRUCTION
EDMUNDS CONSOLIDATED SCHOOL EDMUNDS TOWNSHIP, MAINE					DATE 7-18-16
Lincoln/Haney Engineering Associates, Inc. 6 Federal Street Brunswick, Maine 04011 Phone: 207-729-1061 Fax: 207-729-2941					S1